

**3. Ignition and combustion****3.1. Flash point**

&gt;200 °C (Method of determination Pensky-Martens)

**3.2. Extinguishing media**

- water mist       CO<sub>2</sub>  
 foam             dry powder  
 others

**3.3. Special fire precautions**

None

**3.4. Special fire and explosion hazard**

None

**4. Toxicity****4.1. Acute oral toxicity (LD50)**

&gt;10'000 mg/kg

tested in rats

**4.2. Skin irritation**

None

tested in the rabbits

**4.3. Eye irritation**

None

tested in the eyes of rabbits

**5. Emergency and first-aid procedures**

In case of contact with the skin, wash with plenty of water

In case of contact with the eyes, irrigate with water for 15 minutes and get medical attention.

**6. Remarks**

<u>Product name</u>	ARALDITE B
<u>Chemical constitution</u>	Bisphenol A-epoxy resin

1. Physical data

1.1. Melting/softening point	°C		
1.2. Boiling point	> 200 °C		
1.3. Decomposition temperature	> 200 °C		
1.4. pH	(at 1000g/l water) approx. 7		
1.5. Solubility in water	soluble (g/l)	miscible	insoluble
	20 °C	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	°C	<input type="checkbox"/>	<input type="checkbox"/>
1.6. Odour	yes/no		
1.7. Physical form	solid	paste	liquid
1.8. Vapour pressure at 20 °C	mbar		
1.9. Density	g/cm <sup>3</sup>		

2. Storage stability and handling

2.1. Special precautions for transport and handling	Container must be tightly closed when not in use
2.2. Incompatible substances	---
2.3. Hazardous decomposition products	Carbon monoxide and carbon dioxide on burning
2.4. Hazardous polymerization	None
2.4.1. Preventive measures	---
2.5. Protective measures	<input type="checkbox"/> respirators/dust mask <input checked="" type="checkbox"/> gloves <input checked="" type="checkbox"/> goggles
2.6. Special protective measures	Use a special barrier cream for the protection of hands and forearms
2.7. Measures after spillage or leakage	Sweep up
2.8. Disposal	Normal disposal methods based on state and local codes

**3. Ignition and combustion****3.1. Flash point**

154 °C (Method of determination) pensky Martens

**3.2. Extinguishing media** water mist  
 foam  
 others CO<sub>2</sub>  
 dry powder**3.3. Special fire precautions**

none

**3.4. Special fire and explosion hazard**

none

**4. Toxicity****4.1. Acute oral toxicity (LD50)**

&gt; 1800 mg/kg

tested in rats

**4.2. Skin irritation**

slight

tested in the rabbits

**4.3. Eye irritation**

none

tested in the eyes of rabbits

**5. Emergency and first-aid procedures**

In case of contact with the skin, wash off with soap and water.  
In case of contact with the eyes, irrigate with water for 20 minutes and get medical attention.

**6. Remarks**

Product name

ARALDITE DW 0112

Chemical constitution

Polyalkylene glycol containing organic pigments

1. Physical data

1.1. Melting/softening point	°C		
1.2. Boiling point	> 200 °C		
1.3. Decomposition temperature	> 200 °C		
1.4. pH	~7 (at 1000 g/l water)		
1.5. Solubility in water	soluble (g/l)	miscible	insoluble
	20 °C	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	°C	<input type="checkbox"/>	<input type="checkbox"/>
1.6. Odour	yes/no		
1.7. Physical form	solid <input type="checkbox"/>	paste <input checked="" type="checkbox"/>	liquid <input type="checkbox"/>
1.8. Vapour pressure at 20 °C	torr		
1.9. Density	g/cm <sup>3</sup>		

2. Storage stability and handling

2.1. Special precautions for transport and handling      Container must be closed tightly when not in use

2.2. Incompatible substances      --

2.3. Hazardous decomposition products      Carbon monoxide and carbon dioxide on burning

2.4. Hazardous polymerization      none

2.4.1. Preventive measures      --

2.5. Protective measures       respirators/dust mask  
 gloves  
 goggles

2.6. Special protective measures      Use a special barrier cream for the protection of hands and forearms

2.7. Measures after spillage or leakage      Wipe up with paper towels or other absorbent materials

2.8. Disposal      Normal disposal methods based on state and local codes

**3. Ignition and combustion****3.1. Flash point**

&gt; 200 °C (Method of determination) Pensky Martens

**3.2. Extinguishing media** water mist  
 foam  
 others CO<sub>2</sub>  
 dry powder**3.3. Special fire precautions**

none

**3.4. Special fire and explosion hazard**

none

**4. Toxicity****4.1. Acute oral toxicity (LD50)**

&gt; 1800 mg/kg

tested in rats

**4.2. Skin irritation**

slight

tested in the rabbits

**4.3. Eye irritation**

none

tested in the eyes of rabbits

**5. Emergency and first-aid procedures**

In case of contact with the skin, wash off with soap and water.

In case of contact with the eyes, irrigate with water for 20 minutes and get medical attention.

**6. Remarks**

Product name ARALDITE DW 0111

Chemical constitution Pigment filled Polyalkyleneglycol

### 1. Physical data

1.1. Melting/softening point		°C	
1.2. Boiling point	> 200	°C	
1.3. Decomposition temperature	> 200	°C	
1.4. pH		(at 1000 g/l water)	
1.5. Solubility in water	soluble (g/l) 20 °C °C	miscible	insoluble <input checked="" type="checkbox"/> <input type="checkbox"/>
1.6. Odour	yes/no		
1.7. Physical form	solid <input type="checkbox"/>	paste <input checked="" type="checkbox"/>	liquid <input type="checkbox"/>
1.8. Vapour pressure at 20 °C	torr		
1.9. Density	g/cm <sup>3</sup>		

### 2. Storage stability and handling

2.1. Special precautions for transport and handling	Container must be tightly closed when not in use
2.2. Incompatible substances	--
2.3. Hazardous decomposition products	Carbon monoxide and carbon dioxide on burning
2.4. Hazardous polymerization	none
2.4.1. Preventive measures	--
2.5. Protective measures	<input type="checkbox"/> respirators/dust mask <input checked="" type="checkbox"/> gloves <input checked="" type="checkbox"/> goggles
2.6. Special protective measures	Use a special barrier cream for the protection of hands and forearms
2.7. Measures after spillage or leakage	Wipe up with paper towels or other absorbent materials
2.8. Disposal	Normal disposal methods based on state and local codes

**3. Ignition and combustion****3.1. Flash point**

110 °C (Method of determination Pensky-Martens)

**3.2. Extinguishing media** water mist  
 foam  
 others CO<sub>2</sub>  
 dry powder**3.3. Special fire precautions**

None

**3.4. Special fire and explosion hazard**

None

**4. Toxicity****4.1. Acute oral toxicity (LD50)**

&gt; 9000 mg/kg

tested in rats

**4.2. Skin irritation**

moderate

tested in the rabbits

**4.3. Eye irritation**

none

tested in the eyes of rabbits

**5. Emergency and first-aid procedures**

In case of contact with the skin, wash off with soap and water, remove contaminated clothing.

In case of contact with the eyes, irrigate with water for 15 minutes and get medical attention.

**6. Remarks**

Product name

ARALDITE AV 138 M

Chemical constitutionBisphenol A epoxy resin containing reactive diluent  
and inert fillers1. Physical data

1.1. Melting/softening point	°C		
1.2. Boiling point	> 200 °C		
1.3. Decomposition temperature	~ 250 °C		
1.4. pH	7 (at 100 g/l water)		
1.5. Solubility in water	soluble (g/l)	miscible	insoluble
20 °C	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
°C	<input type="checkbox"/>		<input type="checkbox"/>
1.6. Odour	yes/no		
1.7. Physical form	solid	paste	liquid
1.8. Vapour pressure at 20 °C	mbar		
1.9. Density	1,65-1,7	g/cm <sup>3</sup>	

2. Storage stability and handling

2.1. Special precautions for transport and handling	Container must be tightly closed when not in use
2.2. Incompatible substances	—
2.3. Hazardous decomposition products	Carbon monoxide and carbon dioxide on burning
2.4. Hazardous polymerization	none
2.4.1. Preventive measures	—
2.5. Protective measures	<input type="checkbox"/> respirators/dust mask <input checked="" type="checkbox"/> gloves <input checked="" type="checkbox"/> goggles
2.6. Special protective measures	Use a special barrier cream for the protection of exposed skin areas
2.7. Measures after spillage or leakage	Wipe up with paper towels or other absorbent materials
2.8. Disposal	Normal disposal methods based on state and local codes

**3. Ignition and combustion****3.1. Flash point**

43 °C (Method of determination)

**3.2. Extinguishing media**

- water mist  
 foam  
 others

- CO<sub>2</sub>  
 dry powder

**3.3. Special fire precautions**

Keep away from open flame.

**3.4. Special fire and explosion hazard**

Keep away from open flame.

**4. Toxicity****4.1. Acute oral toxicity (LD50)**

&gt;10 ml/kg

tested in rats

**4.2. Skin irritation**

moderate

tested in the rabbits

**4.3. Eye irritation**

none

tested in the eyes of rabbits

**5. Emergency and first-aid procedures**

In case of contact with the skin, wash with water.

In case of contact with the eyes, irrigate with water for 15 minutes and get medical attention..

**6. Remarks**

**Product name**

Release agent QZ 13

### **Chemical constitution**

### Silicone solution

## 1. Physical data

- |   |   |                                     |          |           |                          |                          |                                     |                    |                          |                          |
|---|---|-------------------------------------|----------|-----------|--------------------------|--------------------------|-------------------------------------|--------------------|--------------------------|--------------------------|
| 1.1. Melting/softening point                  | $^{\circ}\text{C}$  |                                     |          |           |                          |                          |                                     |                    |                          |                          |
| 1.2. Boiling point                            | > 200 $^{\circ}\text{C}$  |                                     |          |           |                          |                          |                                     |                    |                          |                          |
| 1.3. Decomposition temperature                | > 200 $^{\circ}\text{C}$  |                                     |          |           |                          |                          |                                     |                    |                          |                          |
| 1.4. pH                                       | (at 1000 g/l water) approx. 5   |                                     |          |           |                          |                          |                                     |                    |                          |                          |
| 1.5. Solubility in water                      | <table border="0"> <tr> <td style="vertical-align: top;">soluble (g/l)</td> <td style="vertical-align: top;">miscible</td> <td style="vertical-align: top;">insoluble</td> </tr> <tr> <td>20 <math>^{\circ}\text{C}</math></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>  <math>^{\circ}\text{C}</math></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> | soluble (g/l)                       | miscible | insoluble | 20 $^{\circ}\text{C}$    | <input type="checkbox"/> | <input checked="" type="checkbox"/> | $^{\circ}\text{C}$ | <input type="checkbox"/> | <input type="checkbox"/> |
| soluble (g/l)                                 | miscible  | insoluble                           |          |           |                          |                          |                                     |                    |                          |                          |
| 20 $^{\circ}\text{C}$                         | <input type="checkbox"/>  | <input checked="" type="checkbox"/> |          |           |                          |                          |                                     |                    |                          |                          |
| $^{\circ}\text{C}$                            | <input type="checkbox"/>  | <input type="checkbox"/>            |          |           |                          |                          |                                     |                    |                          |                          |
| 1.6. Odour                                    | yes/no  |                                     |          |           |                          |                          |                                     |                    |                          |                          |
| 1.7. Physical form                            | <table border="0"> <tr> <td style="vertical-align: top;">solid</td> <td style="vertical-align: top;">paste</td> <td style="vertical-align: top;">liquid</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>   | solid                               | paste    | liquid    | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                    |                          |                          |
| solid   | paste   | liquid                              |          |           |                          |                          |                                     |                    |                          |                          |
| <input type="checkbox"/>                      | <input type="checkbox"/>  | <input checked="" type="checkbox"/> |          |           |                          |                          |                                     |                    |                          |                          |
| 1.8. Vapour pressure at 20 $^{\circ}\text{C}$ | mbar  |                                     |          |           |                          |                          |                                     |                    |                          |                          |
| 1.9. Density                                  | g/cm <sup>3</sup>   |                                     |          |           |                          |                          |                                     |                    |                          |                          |

## **2. Storage stability and handling**

- |   |  |
|---|--|
| 2.1. Special precautions for transport and handling | none   |
| 2.2. Incompatible substances                        | ---  |
| 2.3. Hazardous decomposition products               | Carbon monoxide and carbon dioxide<br>on burning   |
| 2.4. Hazardous polymerization                       | ---  |
| 2.4.1. Preventive measures                          | ---  |
| 2.5. Protective measures                            | <input type="checkbox"/> respirators/dust mask<br><input checked="" type="checkbox"/> gloves<br><input type="checkbox"/> goggles |
| 2.6. Special protective measures                    | none   |
| 2.7. Measures after spillage or leakage             | Wipe up with paper towels or other absorbent materials   |
| 2.8. Disposal                                       | Normal disposal methods based on state and local codes.  |

4. Ignition and combustion

3.1. Flash point

135 °C (Method of determination)

3.2. Extinguishing media

 water mist  
 foam  
 others CO<sub>2</sub>  
 dry powder

3.3. Special fire precautions

None

3.4. Special fire and explosion hazard

None

4. Toxicity

4.1. Acute oral toxicity (LD50)

3000 mg/kg

tested in rats

4.2. Skin irritation

None

tested in the rabbits rats

4.3. Eye irritation

Severe

tested in the eyes of rabbits

5. Emergency and first-aid procedures

In case of contact with the skin, wash with plenty of water.

In case of contact with the eyes, irrigate with water for 15 minutes and get medical attention..

6. Remarks

A-1

Product name

Hardener HT 903

Chemical constitution

Formulated carboxylic anhydride

1. Physical data

1.1. Melting/softening point 79 °C

1.2. Boiling point °C

1.3. Decomposition temperature °C

1.4. pH (at 1000 g/l water) approx. 3

1.5. Solubility in water soluble (g/l) miscible insoluble  
20 °C    
°C 

1.6. Odour yes/no

1.7. Physical form solid paste liquid  
   

1.8. Vapour pressure at 20 °C mbar

1.9. Density g/cm<sup>3</sup>2. Storage stability and handling

2.1. Special precautions for transport and handling Container must be tightly closed when not in use

2.2. Incompatible substances ---

2.3. Hazardous decomposition products Carbon monoxide and carbon dioxide on burning

2.4. Hazardous polymerization None

2.4.1. Preventive measures ---

2.5. Protective measures  respirators/dust mask  
 gloves  
 goggles

2.6. Special protective measures Use a special barrier cream for the protection of hands and forearms

2.7. Measures after spillage or leakage Sweep up

2.8. Disposal Normal disposal methods based on state and local codes



BALTEAU STANDARD INC.

Attachment

<u>Name</u>	<u>Chemical Constitution</u>
1) Hardener HT 903	Formulated Carboxylic Anhydride
2) Release Agent QZ13	Silicone Solution
3) Araldite AV 138M	Bisphenol A Epoxy Resin
4) Araldite DW 0111	Pigment filled Polyalkyleneglycol
5) Araldite DW 0112	Polyalkyleneglycol
6) Araldite B	Bisphenol A-Epoxy Resin
7) Hardener HT907	Dicarboxylic Anhydride
8) Accelerator DY 065	Accelerator on the basis of substituted Pentane D10L
9) Araldite AV 121N	Formulated Epoxy Resin
10) Araldite AV 138	Formulated Epoxy Resin containing Resorciwol Diglycidyl Ether



## BALTEAU STANDARD INC.

8001 TABLE ROCK ROAD, MEDFORD, OREGON 97501 - (503) 826-2113 - TELEX: 36-0247 - CABLE: STANMED

October 8, 1980

Ms. Linda Dawson  
EPA Region X  
1200 6th Avenue  
Seattle, Washington  
Mail Stop 530/A 98101

Dear Ms. Dawson,

Attached you will find EPA Form 8700-12 (6-80) from our White City, Oregon, plant. I've identified the areas of hazardous waste (mostly in the operation of painting transformers) and have also forwarded you a listing of specific items we are starting to use in our Instrument Transformer operation.

Although I cannot find the new items in your present listing (261.33), I am forwarding them to you for review in order to determine if we should handle any waste as "hazardous" material.

The waste solvents which we do accumulate from our painting operation are being kept as separate as possible in order to recycle through reclamation. We are working with our local Department of Environmental Quality (D.E.Q.) and the State of Oregon Environmental Pollution Agency (EPA) in order to minimize waste quantities which cannot be recycled.

If you need any further information, or if I can be of any additional assistance, please contact me at the address and telephone listed below.

Sincerely,

BALTEAU STANDARD INC.

Jim Swarts

8001 Table Rock Road  
White City, Or. 97503  
(503) 826-2113

Js/b  
Enclosures

cc: Ms. Betty Wiese  
EPA Region X

A-7

Product name: Hardener ET 907  
 Chemical constitution: Dicarboxylic anhydride

Physical data

Melting/softening point,	31-35 °C		
Boiling point	> 200 °C		
Decomposition temperature	> 200 °C 1000 (at 1 g/l water) approx. 3		
Solubility in water	soluble (g/l)	miscible	insoluble
	20 °C OC	<input type="checkbox"/>	<input type="checkbox"/>
odor	yes/no		
Physical form	solid	paste	liquid

Storage stability and handling

Special precautions for transport	Container must be tightly closed when not in use (hygroscopic)
Handling	--
Compatible substances	--
Hazardous decomposition products	Carbon monoxide and carbon dioxide on burning
Hazardous polymerization	none
Preventive measures	--
Protective measures	<input type="checkbox"/> respirators <input checked="" type="checkbox"/> gloves <input checked="" type="checkbox"/> goggles
Special protective measures	Use a special barrier cream for the protection of hands and forearms
Measures after spillage or leakage	Sweep up
Disposal	Normal disposal methods based on state and local codes.

3. Ignition and combustion

## 3.1. Flash point

approx. 140 °C (Method of determination Pensky-Martens)

## 3.2. Extinguishing media

- water mist
- foam
- others
- CO<sub>2</sub>
- dry powder

## 3.3. Special fire precautions

none

## 3.4. Special fire and explosion hazard

none

4. Toxicity

## 4.1. Acute oral toxicity (LD50)

3300 mg/kg,

tested in rats

## 4.2. Skin irritation

slight

tested in the rabbits

## 4.3. Eye irritation

severe

tested in the eyes of rabbits

5. Emergency and first-aid procedures

In case of contact with the skin, wash with plenty of water.

In case of contact with the eyes, irrigate with water for 15 minutes and get medical attention.

GEIGY

A = 8

3005/1/KA/H1  
12.11.75

Its sheet

Product name Accelerator DY 065Chemical constitution Accelerator on the basis of substituted pentane diolPhysical data

Melting/softening point 0°C

Boiling point 180 °C

Decomposition temperature &gt; 200 °C

H 1000  
(at 1 g/l water) approx. 14Solubility in water  
20 °C soluble (g/l) miscible  Insoluble   
0°C Hazard XXX/noPhysical form solid  paste  liquid Storage stability and handlingSpecial precautions for transport and handling  
Container must be tightly closed when not in useIncompatible substances  
--Hazardous decomposition products  
Carbon monoxide and carbon dioxide on burningHazardous polymerization  
nonePreventive measures  
--Protective measures  
 respirators  
 gloves  
 gogglesSpecial protective measures  
Use a special barrier cream for the protection of hands and forearmsMeasures after spillage or leakage  
Wipe up with paper towels or other absorbent materialsDisposal  
Normal disposal methods based on state and local codes.

CIBA-GEIGY

3005/1/KA/H1

3. Ignition and combustion3.1. Flash point

138 °C (Method of determination Pensky-Martens)

3.2. Extinguishing media

- water mist  
 foam  
 others  
 CO<sub>2</sub>  
 dry powder

3.3. Special fire precautions

none

3.4. Special fire and explosion hazard

none

4. Toxicity4.1. Acute oral toxicity (LD50)

&gt; 10'000 mg/kg

tested in rats

4.2. Skin irritation

none

tested in the rabbits

4.3. Eye irritation

mild

tested in the eyes of rabbits

5. Emergency and first-aid procedures

In case of contact with the skin, wash with plenty of water.  
In case of contact with the eyes, irrigate with water for 15 minutes and get medical attention.



-GEGY  
factsheet

A-10

3098/3/KA 2/LP  
11/76

Product name	ARALDITE AV 138
Chemical constitution	Formulated epoxy resin containing resorcinol diglycidyl ether

Physical data	
Melting/softening point	XXX °C
Boiling point	>153 °C
Decomposition temperature	>200 °C
pH	1000 (six g/l water) approx. 8
Solubility in water	soluble (g/l) 20 °C      miscible XXX °C      < X <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Odour	xxx/no
Physical form	solid <input type="checkbox"/> paste <input checked="" type="checkbox"/> liquid <input type="checkbox"/>

Storage stability and handling	
Special precautions for transport and handling	Container must be tightly closed when not in use
Incompatible substances	--
Hazardous decomposition products	Carbon monoxide and carbon dioxide on burning
Hazardous polymerization	none
Preventive measures	--
Protective measures	<input type="checkbox"/> respirators <input checked="" type="checkbox"/> gloves <input checked="" type="checkbox"/> goggles
Special protective measures	Use a special barrier cream for the protection of hands and forearms
Measures after spillage or leakage	Wipe up with paper towels or other absorbent materials
Disposal	Normal disposal methods based on state and local codes.

CIBA-GEIGY

ARALDITE AV 138

3098/3/1/LP

### 3. Ignition and combustion

#### 3.1. Flash point

110 °C (Method of determination Pensky-Marten)

#### 3.2. Extinguishing media

- water mist
- foam
- others
- CO<sub>2</sub>
- dry powder

#### 3.3. Special fire precautions

none

#### 3.4. Special fire and explosion hazard

none

### 4. Toxicity \*

#### 4.1. Acute oral toxicity (LD50)

>3590 mg/kg.

tested in rats

#### 4.2. Skin irritation

severe

tested in the rabbits

#### 4.3. Eye irritation

moderate

tested in the eyes of rabbits

### 5. Emergency and first-aid procedures

In case of contact with the skin, wash with plenty of water and so. In case of contact with the eyes, irrigate with water for 15 minutes and get medical attention.

\* This product contains resorcinol diglycidylether which is a suspected carcinogen in animals.